

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1 1. (original): An information recording apparatus, comprising:
2 a first portable electric power source;
3 a first detector circuit for detecting remaining capacity of said first electric power
4 source;
5 an external power source terminal of a second electric power source, being
6 connected to an outside;
7 a second detector circuit for detecting that the second electric power source is
8 supplied to said external power source terminal;
9 a recording circuit for recording information on a removable recording medium;
10 and
11 a finalizing process circuit for executing finalizing process for said recording
12 medium, wherein
13 when either one of the remaining capacity of said first electric power source and
14 voltage of said second electric power source is detected to be equal or higher than a
15 predetermined value, in said first detector circuit and said second detector circuit, operation of
16 finalizing process is started by said finalizing process circuit upon said recording medium.
- 1 2. (original): An information recording apparatus, comprising:
2 a first portable electric power source;
3 a first detector circuit for detecting remaining capacity of said first electric power
4 source;
5 an external power source terminal of a second electric power source, being
6 connected to an outside;

7 a second detector circuit for detecting that the second electric power source is
8 supplied to said external power source terminal;
9 a recording circuit for recording information on a removable recording medium;
10 and
11 a finalizing process circuit for executing finalizing process for said recording
12 medium, wherein
13 during finalizing process by said finalizing process circuit, when both of the
14 remaining capacity of said first electric power source and voltage of said second electric power
15 source are detected to be equal or lower than respective predetermined values thereof, in said
16 first detector circuit and said second detector circuit, operation of the finalizing process by said
17 finalizing process circuit is stopped upon said recording medium.

1 3. (withdrawn): An information recording apparatus, comprising:
2 a recording circuit for recording information on a removable recording medium;
3 and
4 a finalizing process circuit for recording lead-out data at least up to a
5 predetermined recording region as finalizing process upon said recording medium, wherein
6 upon reproduction of said recording medium, if recording of the lead-out data of
7 the finalizing process is started and is not completed up to the predetermined recording region,
8 the lead-out data is newly recorded up to the predetermined region following the lead-out data
9 recorded.

1 4. (withdrawn): An information recording apparatus, comprising:
2 a lens unit for condensing optical signals;
3 an image pickup circuit for obtaining electric signals from the optical signals
4 obtained through said lens unit;
5 an operation input circuit for changing picture information region obtained
6 through said image pickup circuit by operating said lens unit;
7 a recording circuit for recording video information from said image pickup circuit
8 on a removable recording medium; and

9 a finalizing process circuit for conducting finalizing process upon said recording
10 medium, wherein
11 during time-period of the finalizing process, no input is accepted to said operation
12 input circuit.

1 5. (withdrawn): An information recording apparatus, comprising:
2 an image pickup circuit for converting optical signals into electric signals;
3 a digital compression converter circuit for converting an output from said image
4 pickup circuit into a digital signal compressed;
5 an exchanger circuit for exchanging at least one of electric power consumptions in
6 said image pickup circuit and said digital compression converter circuit;
7 a recording circuit for recording video information from said image pickup circuit
8 onto said removable recording medium;
9 a finalizing process circuit for conducting finalizing process upon said recording
10 medium, wherein
11 during time-period of the finalizing process by said finalizing process circuit, at
12 least either one of electric power consumptions of said image pickup circuit and said digital
13 compression converter circuit is reduced, at least by said exchanger circuit.

1 6. (withdrawn): An information recording apparatus, comprising:
2 a portable electric power source;
3 a detector circuit for detecting remaining capacity in said electric power source;
4 a first display circuit for displaying a result detected by said detector circuit;
5 a recording circuit for recording information on a removable recording medium;
6 a finalizing process circuit for conducting finalizing process, in which necessary
7 processing amount changes depending upon a region being already recorded on said recording
8 medium; and
9 a second display circuit for displaying a time necessary for the finalizing process
10 by said finalizing process circuit.

1 7. (withdrawn): An information recording apparatus, comprising:
2 a recording circuit for recording information on a removable recording medium;
3 a display circuit for displaying at least said information;
4 a finalizing process circuit for conducting finalizing process on said recording
5 medium; and
6 an operation input circuit for operating an action of said finalizing process circuit,
7 wherein
8 under operation of said recording circuit, when substantially no recording area
9 remains on said recording medium, whether said finalizing process should be conducted or not is
10 displayed on said display circuit.

1 8. (withdrawn): An information recording apparatus, comprising:
2 a image pickup circuit for converting optical signals into electric signals;
3 a recording circuit for recording video information from said image pickup circuit
4 on a removable recording medium; and
5 a finalizing process circuit for conducting finalizing process on said recording
6 medium, wherein
7 upon recording operation from said image pickup circuit, the recording operation
8 of at least of lead-out data by said finalizing process circuit is made faster in recording speed
9 than that onto said recording medium.

1 9. (withdrawn): An information recording apparatus, comprising:
2 a recording circuit for recording information on a removable recording medium;
3 and
4 a finalizing circuit for recording lead-out data at least up to a predetermined
5 recording region as finalizing process for said recording medium, wherein
6 recording of said read-out data is conducted intermittently by a unit of a
7 predetermined amount thereof.

1 10. (original): An information recording apparatus, as described in any one of
2 the claims 1 to 9, wherein the information recording apparatus is a portable-type recording
3 apparatus integrated with camera in one body while said recording medium is a disc.

1 11. (original): An information recording apparatus, as described in any one of
2 the claims 1 to 9, wherein the information recording apparatus is a portable-type information
3 processing apparatus while said recording medium is a disc.

1 12. (original): An information recording method for finalizing process data of
2 a recording medium, comprising the following steps:

3 a first step for detecting remaining capacity in a first portable electric power
4 source;

5 a second step for detecting voltage of a second electric power source which is
6 supplied at an external power source terminal;

7 a third step for conducting finalizing process on a recording medium; and

8 a fourth step for starting operation of said finalizing process upon said recording
9 medium when at least either one of the remaining capacity of said first electric power source and
10 the voltage of said second electric power source is equal or greater than a predetermined value.

1 13. (original): An information recording method of video data, comprising
2 the following steps:

3 a first step for detecting remaining capacity in a first portable electric power
4 source;

5 a second step for detecting voltage of a second electric power source which is
6 supplied at an external power source terminal;

7 a third step for recording information on a removable recording medium;

8 a fourth step for conducting finalizing process on said recording medium; and

9 a fifth step for stopping operation of said finalizing process when both the
10 remaining capacity of said first electric power source and the voltage of said second electric

11 power source are equal or less than respective predetermined values thereof, during the finalizing
12 process.

1 14. (withdrawn): A method of restoration process for finalizing process,
2 comprising the following steps:
3 a first step for reproducing from a removable recording medium;
4 a second step for detecting an end position of lead-out data;
5 a third step for recording new lead-out data following said end position detected;
6 and a fourth step for ending the recording when recording position reaches to a predetermined
7 position.

1 15. (withdrawn): An information recording method, comprising the following
2 steps:
3 a first step for condensing optical signals by using a lens unit;
4 a second step for converting the optical signals condensed into electric signals by
5 an image pickup circuit;
6 a third step for changing an area of video information condensed to said image
7 pickup circuit by operating said lens unit;
8 a fourth step for recording the electric signals onto said removable medium, as the
9 video information; and
10 a fifth step for conducting finalizing process on said recording medium, and at
11 same time bringing said lens unit not to accept an action of operation thereof.

1 16. (withdrawn): An information recording method of digital signals,
2 comprising the following steps:
3 a first step for converting optical signals into electric signals by an image pickup
4 circuit;
5 a second step for converting said electric signals into digital signals being
6 compressed in data thereof by a digital compression converter circuit;

7 a third step for recoding said digital signals onto said removable recording
8 medium; and

9 a fourth step for conducting finalizing process on said recording medium, and at
10 same time stopping at least one of the processes of said first step and said second step, thereby to
11 reduce electric power consumption.

1 17. (withdrawn): An information recording method of video data, comprising
2 the following steps:

3 a first step for detecting remaining capacity in a portable electric power source;
4 a second step for displaying result of said detection;
5 a third step for recording information on a removable recording medium;
6 a fourth step for conducting finalizing process, which changes necessary process
7 amount depending upon region already recorded on said recording medium; and
8 a fifth step for displaying time necessary for said finalizing process.

1 18. (withdrawn): An information recording method, comprising the following
2 steps:

3 a first step for recording information on a removable recording medium;
4 a second step for detecting that substantially no recording area remains on said
5 recording medium;
6 a third step for displaying whether the finalizing process on said recording
7 medium should be conducted or not when no recording area remains on said recording medium
8 substantially.

1 19. (withdrawn): An information recording method, comprising the following
2 steps:

3 a first step for converting optical signals into electric signals by an image pickup
4 circuit;
5 a second step for recording said electric signals onto said removable recording
6 medium; and

7 a third step for recording data in the finalizing process, in which lead-out data is
8 recorded at least up to a predetermined region on said recording medium, at speed being
9 substantially higher than that in the recording operation of signals from said image pickup
10 circuit.

1 20. (withdrawn): An information recording method, comprising the following
2 steps:

3 a first step for recoding information signals on a removable recording medium;
4 and

5 a second step for conducting finalizing process, in which lead-out data are
6 recorded at least up to a predetermined recording region on said recording medium,
7 intermittently, by a unit of a predetermined amount thereof.